

Torque Test – Xp3D-Cetane with Diesel **Evaluation of the performance (torque) of a diesel engine when treated with Xp3-Cetane.**

Test

Tests were carried out on a dynamometer in order to determine the increase in torque generated by the use of Xp3-Cetane in a diesel engine

Test laboratory that conducted the test:
Walls Rod & Custom, Inc.
Box 162 Dufresne
Dufresne, MB , R0A0J0, Canada
www.wallsrodcustom.com

Test Unit Information

The dynamometer test was performed by attaching a motor directly to the dynamometer. This test is highly efficient and enables us to simulate the operation of the engine in a real scenario. Test results that can be obtained in this test, among others, is the determination of the torque of the engine.

Process

The torque measurement was done in a Diesel (D-2) engine. The torque generated by the engine using Diesel fuel (base diesel) was compared with the torque generated by the same engine when Xp3D-Cetane was added to the fuel in the proportions of 1:4000 (single dose)

Dynamometer

MD Mustang Dynamometer and Mustang's PowerDyne Software
<http://www.mustangdyne.com/>

Engine

GMC 2011
Model: Duramax
6.6 Liter engine

Test Date

April 21, 2015

Xp Lab, Inc.

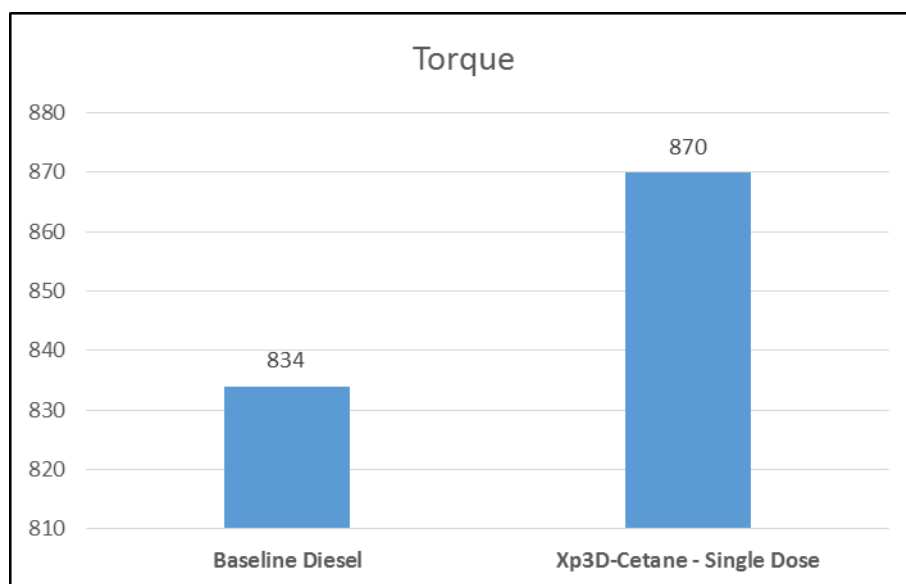
12527 Kirkham Ct. Poway, CA 92064
Tel. (619) 233-3111
Xp3@xplab.com <http://www.xp3.com>

LAB TEST RESULTS



Results

TORQUE		
	Dyno Data	% Inc vs. Baseline
Baseline Diesel	834	
Xp3D-Cetane - Single Dose	870	4.32%



An increase of + 36 in the torque was obtained when comparing the results of untreated diesel (base diesel), and diesel treated with Xp3-Cetane in a proportion of 1:4000 (Single Dose)

Enclosed

- Test report - Diesel Fuel without additive - Base Diesel
- Test report - Diesel Fuel with one dose of Xp3-Cetane



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LAB TEST RESULTS



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 Mustang Dynamometer 	
HorsePower Curve Test Results Date/Time Printed: 04/21/2015 02:37:55 PM	
Tested By WALLS ROD & CUSTOM INC Box 182 DuReine	Tested For CO-OP Fuels, CO-OP Fuels, CO-OP Fuel 5TC Anne
Address: MB ROAD	Phone (Work/Home) Fax (Work/Home) DOB 4/21/2015 9:07:27 AM Tested 4/21/2015 9:07:27 AM Comments
Phone 204-878-4040 Fax 214-878-4040	
VIN 0 License GTC632 Year/Make/Model 2011 GMC Duramax Comments	Miles 0.0 Weight 3000.00 HP@150MPH 12.50 Cylinders/Displacement 6 / 6.6
HorsePower Curve Test Results	
Test Run	
Time Tested	4/21/2015 12:02:30 PM
Maximum Power	466.3 @ 3289 RPM / 70.9MPH
with WCF	473.4 with WCF
Maximum Torque	522.3 @ 2844 RPM / 68.1MPH
with WCF	534.9 with WCF
Comments	
XP3 Baseline 1	

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LAB TEST RESULTS



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		<h2>Mustang Dynamometer</h2>			
Tested By WALLS ROD & CUSTOM, INC. Box 162, Durhams		Tested For CO-OP Fuels, CO-OP Fuel STE Apps			
Address Durhams		Year/Make/Model M3 RDA(MJ)			
Phone 204-675-4327 Fax 204-675-1312		Phone (Work/Home) Fax (Work/Home) IDB 4/21/2015 8:07:27 AM		Tested 4/21/2015 9:07:27 AM Comments	
VIN 3 License STC623		Miles 0.0 Weight 5000.00 HP@50MPH 12.50 Cylinders/Displacement 8 / 5.6		Cycles 4 RPM Pickup 2	
Year/Make/Model 2011 GMC Duramax					
Comments					
HorsePower Curve Test Results					
Test Run					
Time Tested 4/21/2015 12:41:28 PM					
Maximum Power 463.5 @ 3297 RPM / 80.3MPH with WCF 470.5 with WCF					
Maximum Torque 857.0 @ 2778 RPM / 07.3MPH with WCF 870.2 with WCF					
Comments XP3 Gate'n Single Duse					

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